07/722101

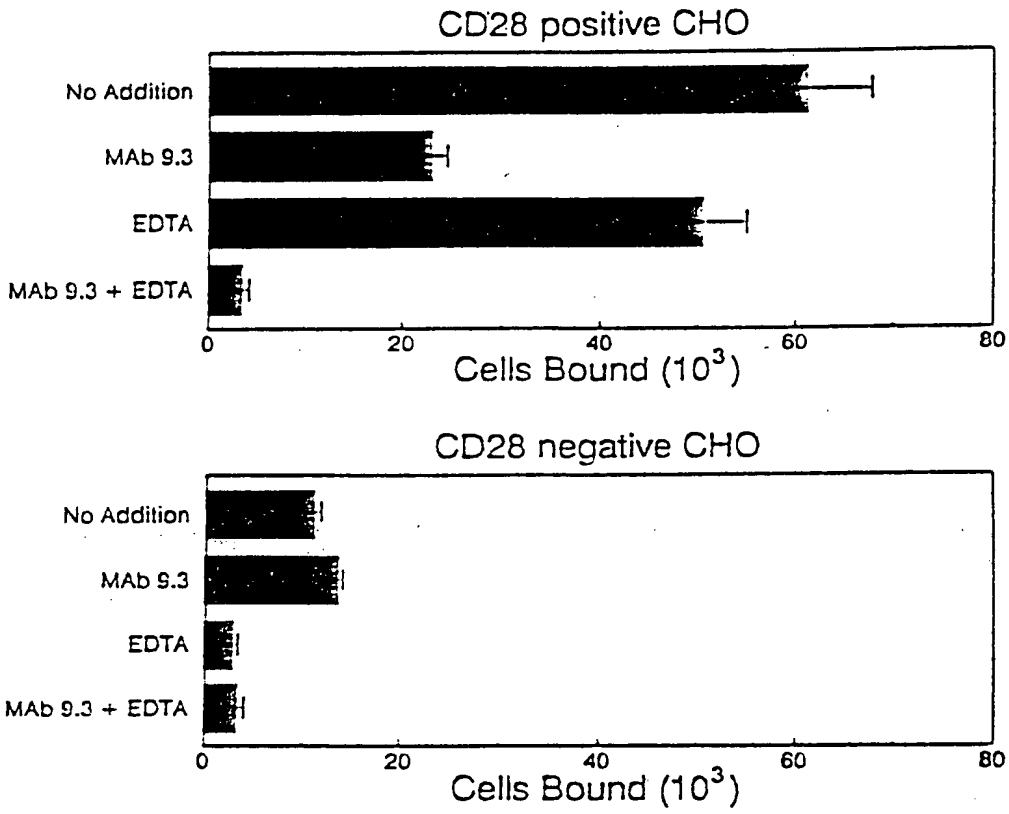


FIGURE 1

07/722101

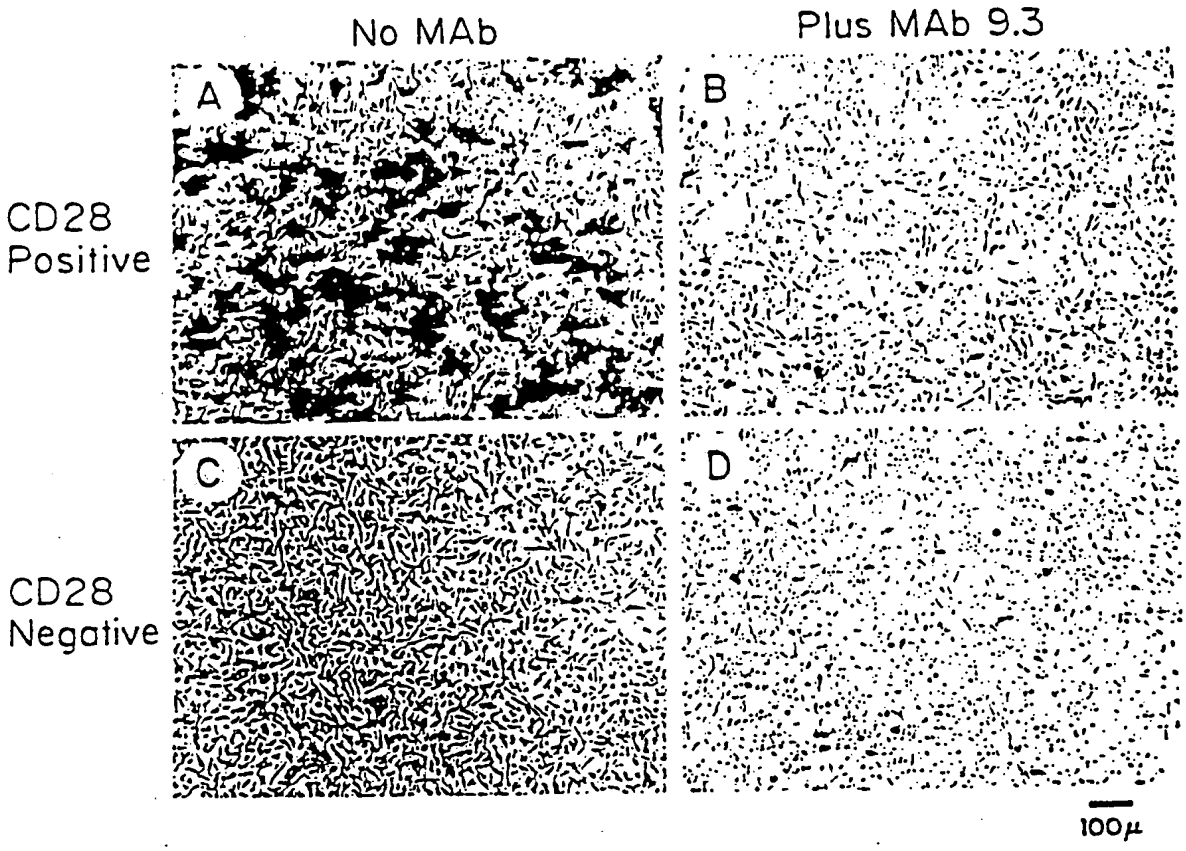


FIGURE 2

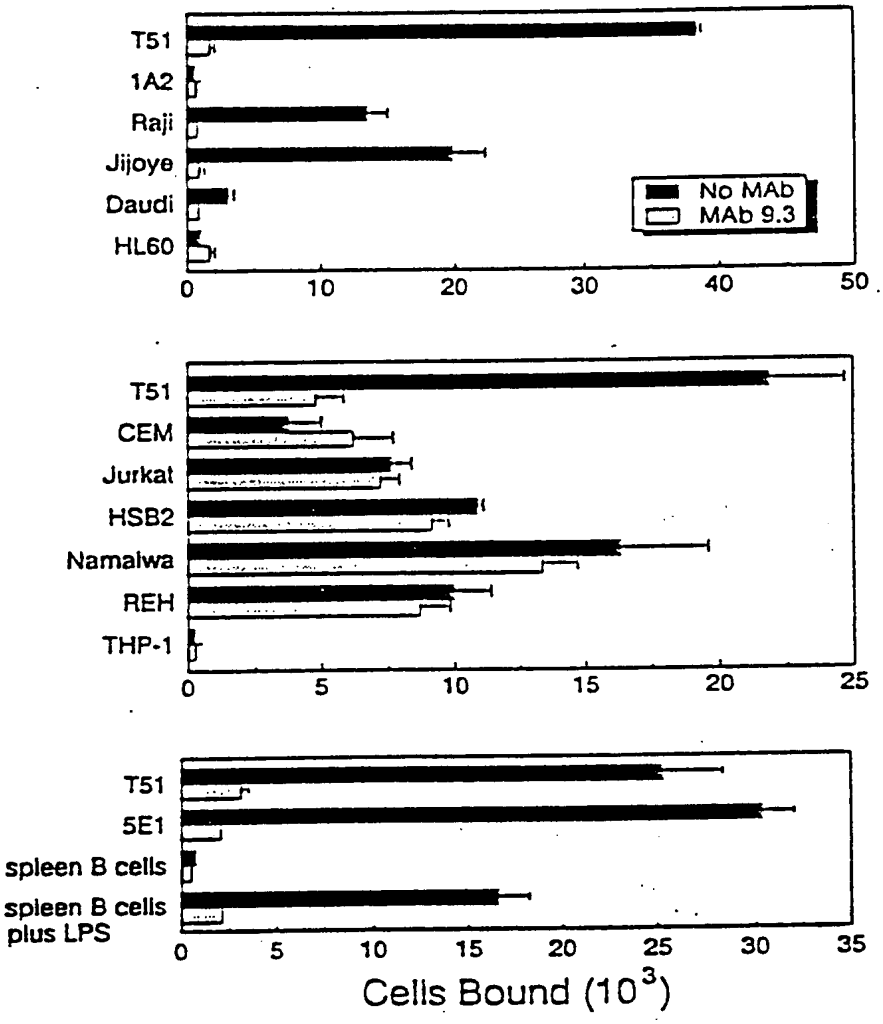

T51
1A2
Raji
Jijoye
Daudi
HL60
No MAb
MAb 9.3
0
10
20
30
40
50
T51
CEM
Jurkat
HSB2
Namalwa
REH
THP-1
0
5
10
15
20
25
T51
5E1
spleen B cells
spleen B cells plus LPS
0
5
10
15
20
25
30
35
Cells Bound (10^3)

FIGURE 3

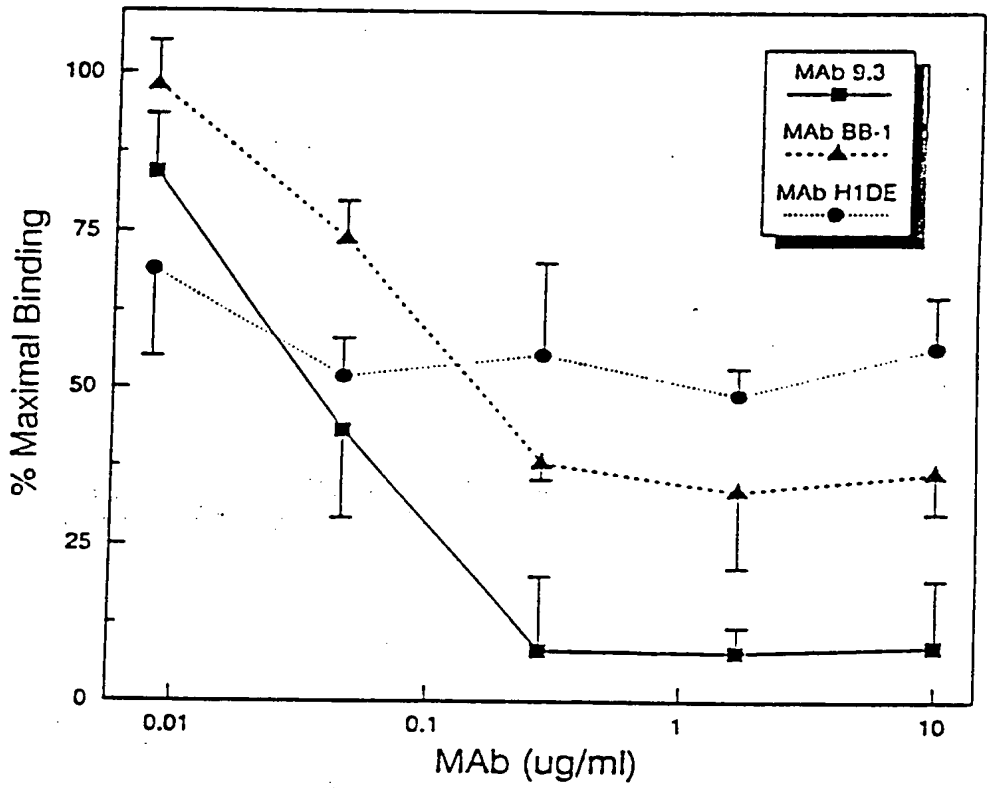

MAb 9.3
MAb BB-1
MAb H1DE
% Maximal Binding
100
75
50
25
0
0.01
0.1
1
10
MAb (ug/ml)

FIGURE 4

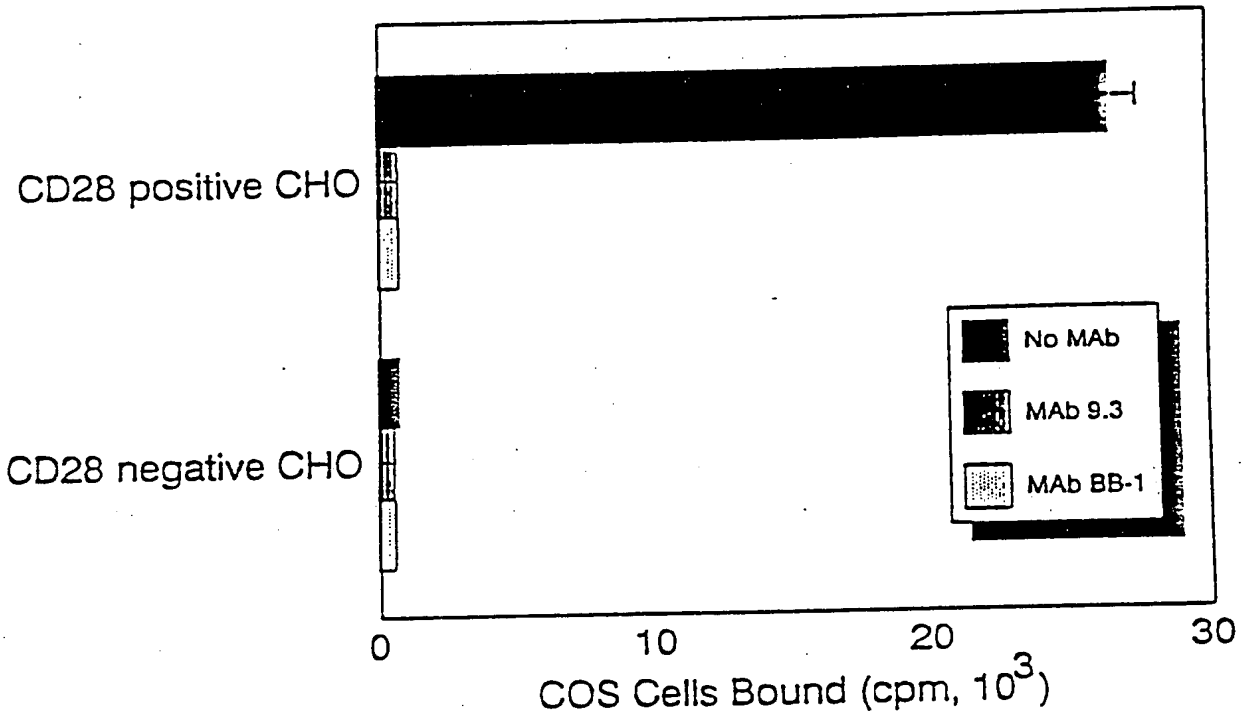

CD28 positive CHO
CD28 negative CHO
No MAb
MAb 9.3
MAb BB-1
0
10
20
30
COS Cells Bound (cpm, 10^3)

FIGURE 5

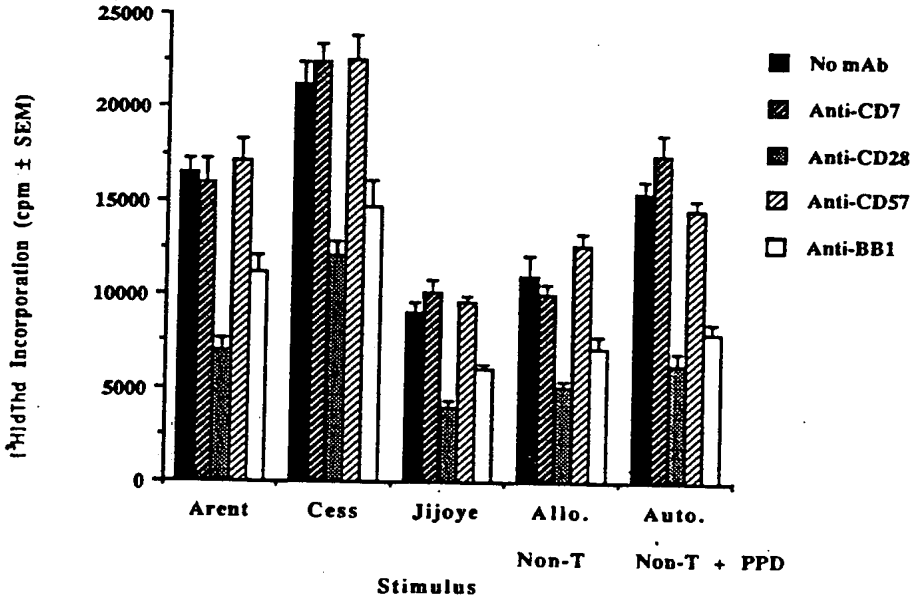
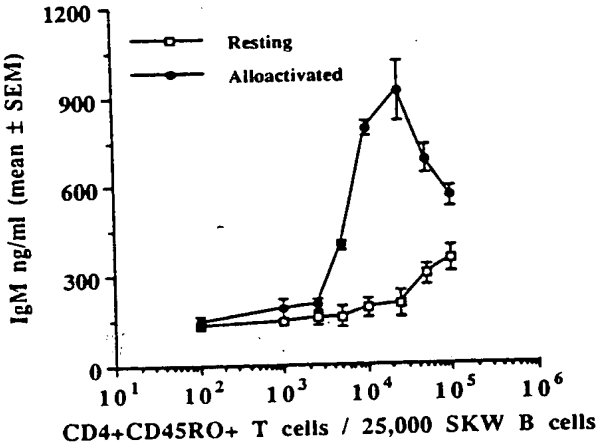

25000
20000
15000
10000
5000
0
No mAb
Anti-CD7
Anti-CD28
Anti-CD57
Anti-BB1
Arent
Cess
Jijoye
Allo.
Non-T
Auto.
Non-T + PPD
Stimulus

FIGURE 6

7a



7b

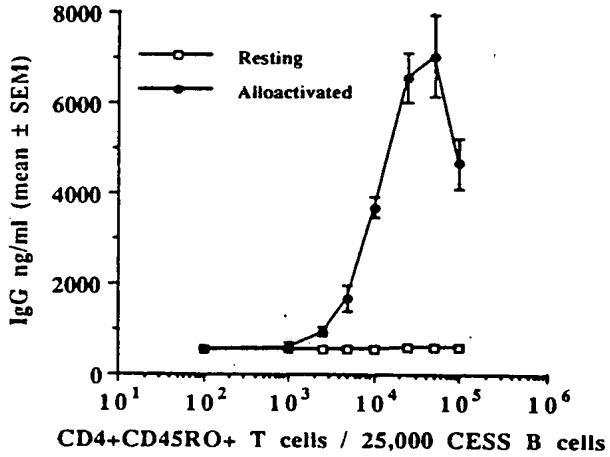


FIGURE 7

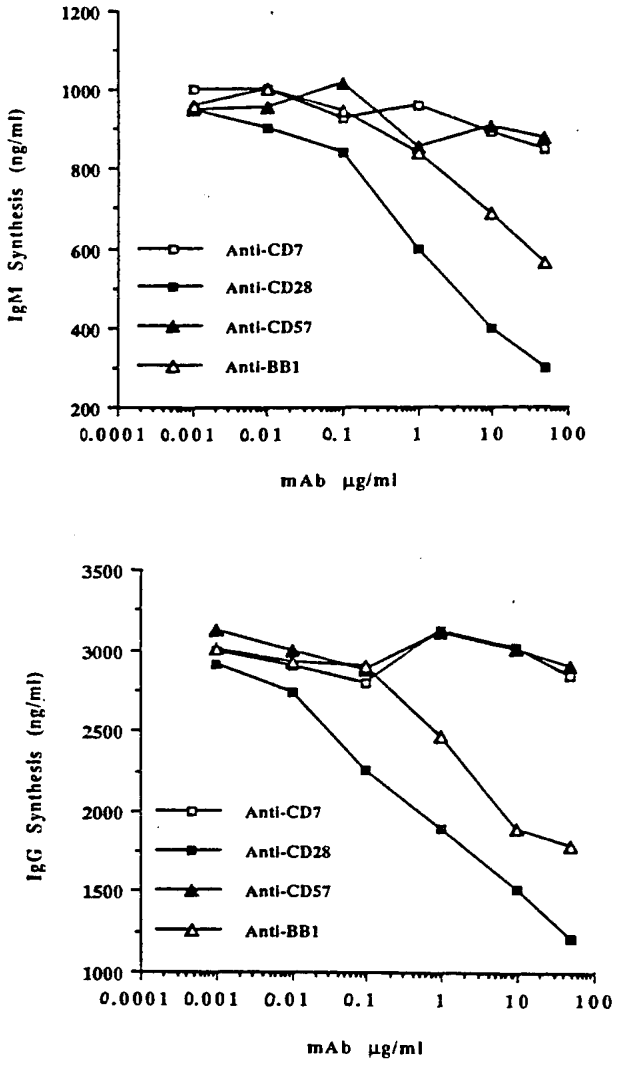

1200
1000
800
600
400
200
IgM Synthesis (ng/ml)
Anti-CD7
Anti-CD28
Anti-CD57
Anti-BB1
0.0001 0.001 0.01 0.1 1 10 100
mAb µg/ml
3500
3000
2500
2000
1500
1000
IgG Synthesis (ng/ml)
Anti-CD7
Anti-CD28
Anti-CD57
Anti-BB1
0.0001 0.001 0.01 0.1 1 10 100
mAb µg/ml

FIGURE 8

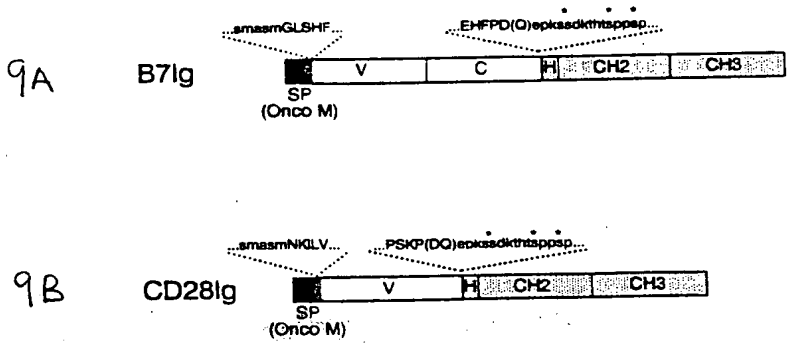

9A
B7Ig
...amasmGLSHF...
...EHFPD(Q)epkssdkthtsppsp...
V
C
H
CH2
CH3
SP
(Onco M)
9B
CD28Ig
...smasmNKLV...
...PSKP(DQ)epkssdkthtsppsp...
V
H
CH2
CH3
SP
(Onco M)

FIGURE 9

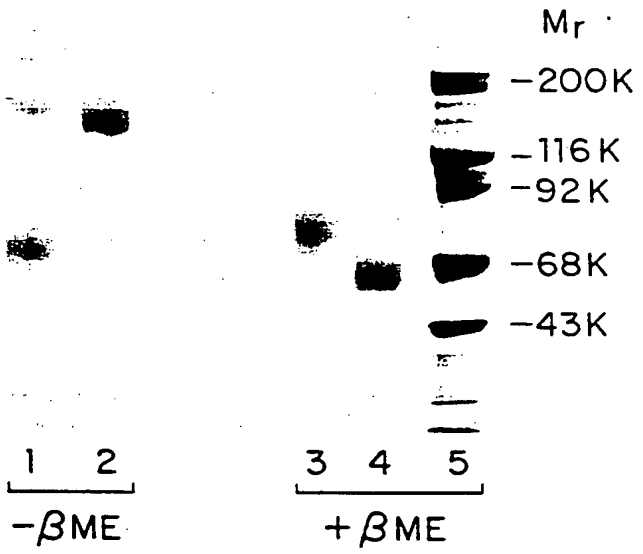


FIGURE 10

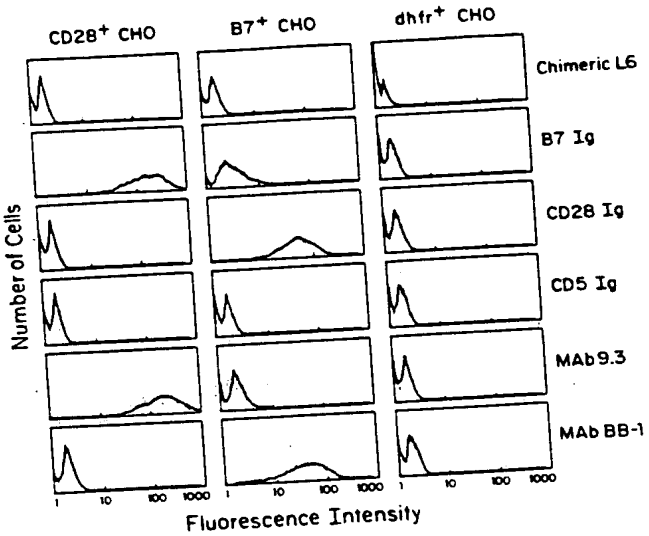

CD28+ CHO
B7+ CHO
dhfr+ CHO
Chimeric L6
B7 Ig
CD28 Ig
CD5 Ig
MAb 9.3
MAb BB-1
Number of Cells
1
10
100
1000
Fluorescence Intensity

FIGURE 11

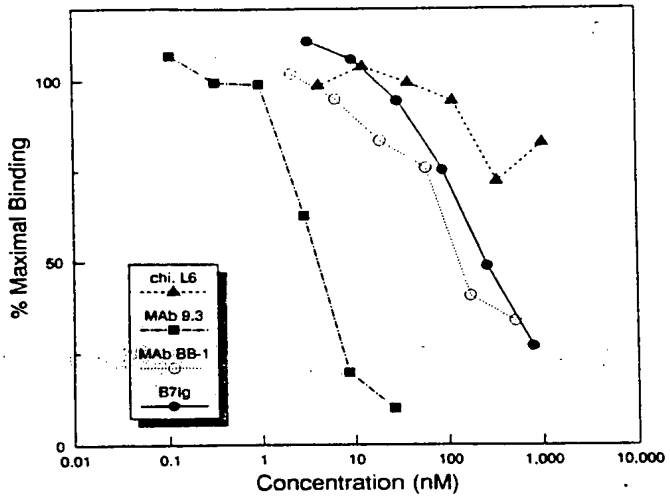

% Maximal Binding
100
50
0
0.01
0.1
1
10
100
1.000
10.000
Concentration (nM)
chi. L6
MAb 9.3
MAb BB-1
B7Ig

FIGURE 12

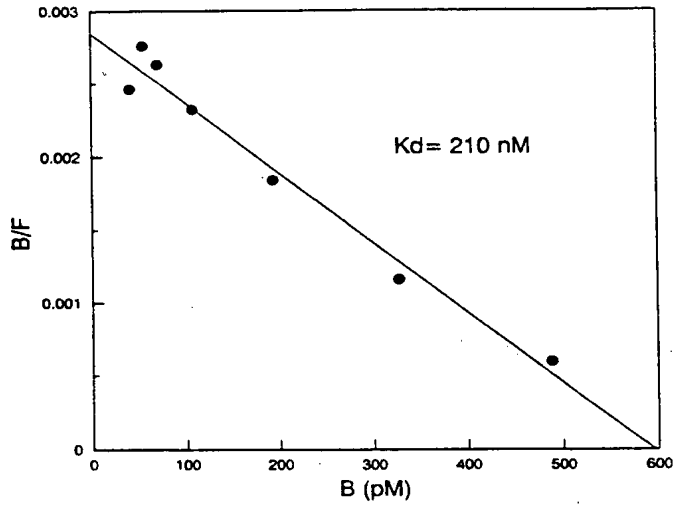


FIGURE 13

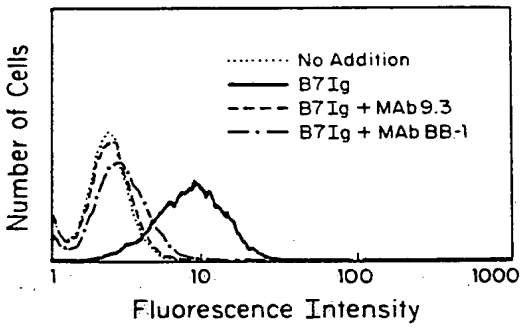

No Addition
B7Ig
B7Ig + MAb 9.3
B7Ig + MAb BB-1
Number of Cells
1
10
100
1000
Fluorescence Intensity

FIGURE 14

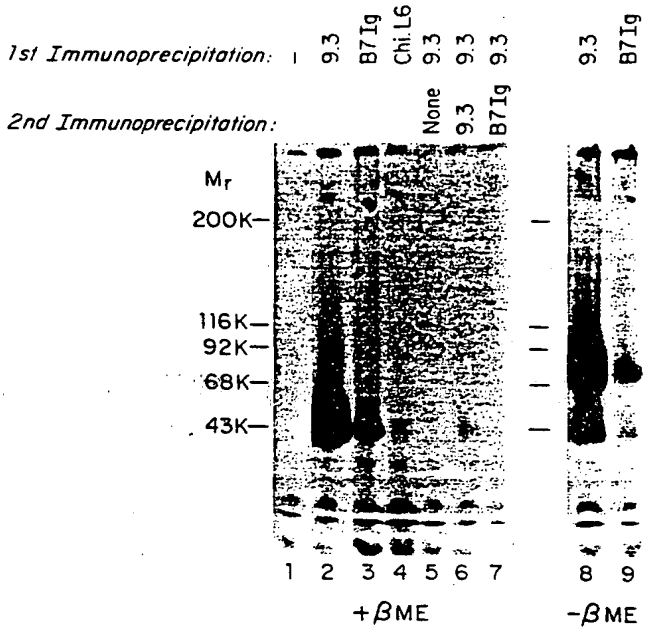

1st Immunoprecipitation: - 9.3 B7Ig Chi.L6 9.3 9.3 9.3 9.3 B7Ig
2nd Immunoprecipitation: None 9.3 B7Ig
Mr
200K
116K
92K
68K
43K
1 2 3 4 5 6 7 8 9
+βME
-βME

FIGURE 15

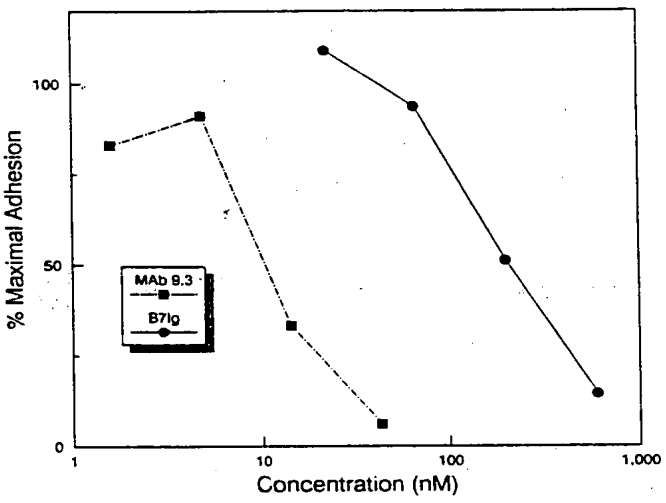

100
50
0
% Maximal Adhesion
MAb 9.3
B7Ig
1
10
100
1,000
Concentration (nM)

FIGURE 16

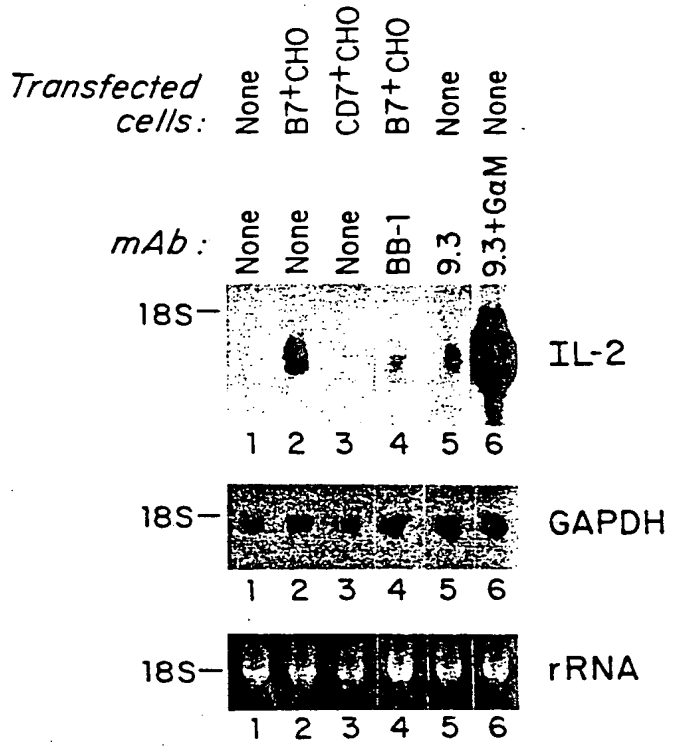

Transfected cells:
None
B7+CHO
CD7+CHO
B7+CHO
None
None
mAb:
None
None
None
BB-1
9.3
9.3+GaM
18S
IL-2
1 2 3 4 5 6
18S
GAPDH
1 2 3 4 5 6
18S
rRNA
1 2 3 4 5 6

FIGURE 17